

SCIENCE

And Technology Program



Theme Area: Facilities and Infrastructure

Program Area: Hydraulic Structures - WRRL

Project No.: FI00.06

Project Title: River Restoration Structures

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Abstract: This study examines a variety of hydraulic structures utilized by river restoration professionals. Structures under examination include barbs, bendway weirs, rock vanes, turning stones, levees, jacks, vortex weirs, w-weirs, rock ramps, revetments, root wads, and drop structures. The purpose of the study is to provide technical support at the research level for on-going Area Office projects that are studying bank stabilization problems as part of large-scale river maintenance projects, demonstration bank stability projects, and resource management projects. Partners include the Arizona Water Protection Fund, Phoenix Area Office, Albuquerque Area Office, San Carlos/Safford/Duncan Watershed Group, and the Gila Monster, a combined New Mexico/Arizona watershed group. The research funds of this study are an integral portion of the total project, indeed the continuation of two projects, the Gila River Fluvial Geomorphology Study and the Muddy Creek Demonstration Project are contingent upon the successful start of this study.

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